1/00838 A

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 4 January 2001 (04.01.2001)

PCT

(10) International Publication Number WO 01/00838 A1

- (51) International Patent Classification⁷: C12N 15/31, C07K 14/21, A61K 39/02, C07K 16/12, G01N 33/53, C12N 15/62
- (21) International Application Number: PCT/EP00/05854
- (22) International Filing Date: 23 June 2000 (23.06.2000)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

9915031.0

25 June 1999 (25.06.1999) GB

- (71) Applicant (for all designated States except US): SMITHKLINE BEECHAM BIOLOGICALS S.A. [BE/BE]; Rue de l'Institut 89, B-1330 Rixensart (BE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): THONNARD, Joelle [BE/BE]; SmithKline Beecham Biologicals s.a., Rue de L'Institut 89, B-1330 Rixensart (BE).

- 74) Agents: PRIVETT, Kathryn, Louise et al.; SmithKline Beecham, Corporate Intellectual Property, Two New Horizons Court, Brentford, Middlesex TW8 9EP (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR. LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CLONING OF BASB110 ANTIGEN FROM MORAXELLA (BRANHAMELLA) CATARRHALIS